



POWERS ELEVATION

OIL WELL ELEVATIONS — LOCATIONS
ENVIRONMENTAL — ARCHAEOLOGICAL SERVICES
800 SOUTH CHERRY STREET, SUITE 1201
DENVER, COLORADO 80222
PHONE NO. 303/321-2217

November 16, 1982

State of Utah
Division of Oil, Gas, and Mining
4241 State Office Building
Salt Lake City, Utah 84114

RE: Filing Application for Permit to Drill
Samson Resources Company
#1 Arches Federal
NW SW Sec. 18 T25S R21E
1439' FSL & 1218' FWL
Grand County, Utah

Gentlemen:

Enclosed are three copies each of the Federal A.P.D. Form 9-331C, the Location and Elevation Plat, the Ten-Point Compliance Program, and the Blowout Preventer Diagram for the above-referenced well location.

Please return the approved copies to:

Mr. Calvin Guthridge
Samson Resources Company
2700 First National Tower
Tulsa, Oklahoma 74103

Very truly yours,

POWERS ELEVATION

Connie L. Frailey

Connie L. Frailey
Vice President, Environmental Services

CLF/sfh
Enclosures

cc: Calvin Guthridge

RECEIVED

NOV 18 1982

DIVISION OF
OIL, GAS & MINING

*Charles Wathkins -
left msg for Guthridge
to return my call
ref spacing and petrels
Nov 18-82*

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL

WELL ☒

GAS

WELL ☐OTHER ☐

SINGLE

ZONE ☒

MULTIPLE

ZONE ☐

2. NAME OF OPERATOR

Samson Resources Company

3. ADDRESS OF OPERATOR

2700 First National Tower, Tulsa, Oklahoma 74103

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

1439' FSL & 1218' FWL (NW SW)

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Location is 8 miles northwest of Moab, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

1218'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

16. NO. OF ACRES IN LEASE

881.57

19. PROPOSED DEPTH

8000'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4318.7' GR

22. APPROX. DATE WORK WILL START*

December 1, 1982

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8" New	61# K-55 ST&C	300'	275 sx. Class "G" + 2% CaCl ₂
12 1/4"	9 5/8" New	40# K-55 LT&C	3000'	600 sx. 50/50 poz mix + additives
8 3/4"	5 1/2" New	20# N-80 LT&C	8000'	1200 sx. Class "G" + additives

1. Drill 17 1/2" hole and set 13 3/8" surface casing to 300' with good returns.
2. Drill 12 1/4" hole and set 9 5/8" intermediate casing to 3000' with good returns.
3. Log B.O.P. checks in daily drill reports and drill 8 3/4" hole to 8000'.
4. Run tests if warranted and run 5 1/2" casing if productive.
5. Run logs, as needed, and perforate and stimulate as needed.

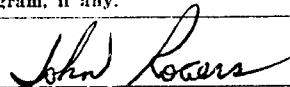
EXHIBITS ATTACHED:

- "A" Location and Elevation Plat "H" Drill Rig Layout
"B" The Ten-Point Compliance Program
"C" The Blowout Preventer Diagram
"D" The Multi-Point Requirements for A.P.D.
"E" & "E₁" Access Road Maps to Location
"F" Radius Map of Field
"G" & "G₁" Drill Pad Layout, Production Facilities & Cut-Fill Cross Sections

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Manager of
Drilling

TITLE

DATE 11-16-82

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

*See Instructions On Reverse

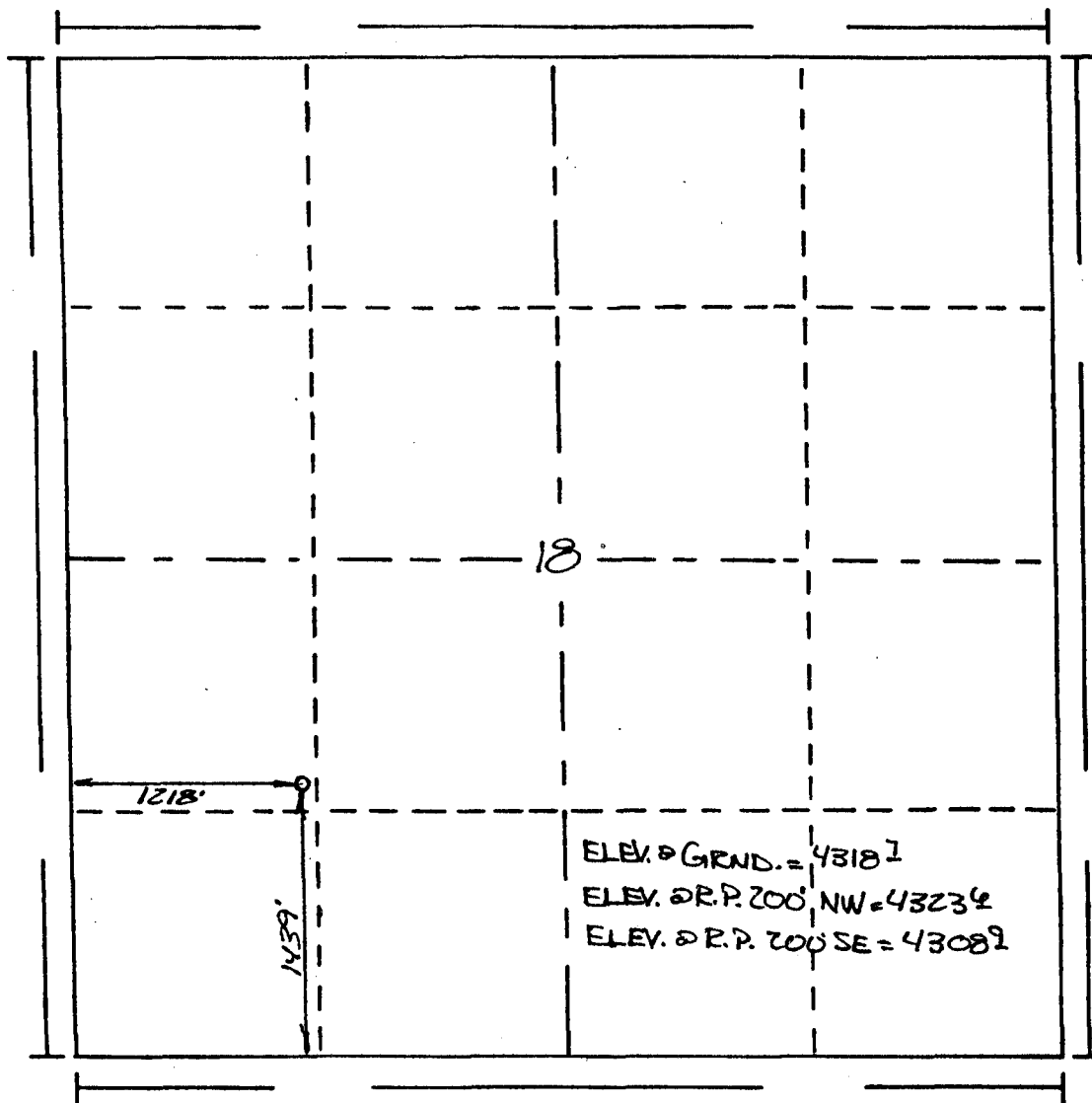
DATE: 12-1-82

BY: 



EXHIBIT "A"

R.21E. Location and Elevation Plat



T.25S.

Scale... 1" = 1000'

Powers Elevation of Denver, Colorado
has in accordance with a request from CALVIN GUTHRIDGE
for SAMSON RESOURCES CO.
determined the location of ARCHES FEDERAL #1
to be 1218' FWL & 1439' FSL Section 18 Township 25 South
Range 21 East, SALT LAKE BASE & Meridian
GRAND County, UTAH

I hereby certify that this plat is an
accurate representation of a correct
survey showing the location of
ARCHES FEDERAL #1

Date: NOV. 11, 1982

James E. Andrews
Licensed Land Surveyor No. 6152
State of UTAH

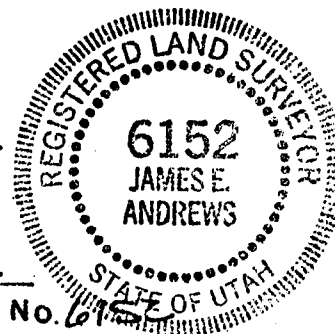


EXHIBIT "B"

TEN-POINT COMPLIANCE PROGRAM
OF NTL-6 APPROVAL OF OPERATIONS

Attached to Form 9-331C
Samson Resources Company
#1 Arches Federal
NW SW Sec. 18 T25S R21E
1439' FSL & 1218' FWL
Grand County, Utah

1. The Geologic Surface Formation

The surface formation is the Moenkopi.

2. Estimated Tops of Important Geologic Markers

Honaker Trail	100'
Paradox Fm.	2400'✓
Cane Creek Zone	7610'✓
Total Depth	8000'

3. Estimated Depths of Anticipated Water, Oil, Gas or Minerals

Honaker Trail	0 - 100'	Fresh to brackish water
Paradox Fm.	100'-2400'	Oil and gas
Cane Creek Zone	2400'-7610'	Oil and gas

4. The Proposed Casing Program

<u>HOLE SIZE</u>	<u>INTERVAL</u>	<u>SECTION LENGTH</u>	<u>SIZE (OD)</u>	<u>WEIGHT, GRADE & JOINT</u>	<u>NEW OR USED</u>
17 1/2"	0-300'	300'	13 3/8"	61# K-55 ST&C	New
12 1/4"	300'-3000'	2700'	9 5/8"	40# K-55 LT&C	New
8 3/4"	3000'-8000'	5000'	5 1/2"	20# N-80 LT&C	New

Cement Program -

Surface Casing: 275 sacks Class "G" plus 2% CaCl_2 .

Intermediate Casing: 600 sacks 50/50 pozmix plus 2% CaCl_2 plus 1/4#/sack cello-flakes. Tail in with 200 sacks Class "G" plus 2% CaCl_2 .

Production Casing: 1200 sacks Class "G" plus 0.75% D-19 plus 0.5% D31 plus 0.3% R5.

5. The Operator's Minimum Specifications for Pressure Control

EXHIBIT "C" is a schematic diagram of the blowout preventer equipment. The BOP's will be hydraulically tested to full working pressure after nipping up and after any use under pressure. Pipe rams will be operationally checked each 24-hour period, as will blind rams and annular preventer each time pipe is pulled out of the hole. Such checks of BOP will be noted on daily drilling reports.

Accessories to BOP will include an upper kelly cock, floor safety valve, drill string BOP and choke manifold with pressure rating equivalent to the BOP stack.

6. The Type and Characteristics of the Proposed Circulating Muds

Mud system will be gel-chemical with adequate stocks of sorptive agents on site to handle possible spills of fuel and oil on the surface. Heavier muds will be on location to be added if pressure requires.

DEPTH	TYPE	WEIGHT #/gal.	VISCOSITY-sec./qt.	FLUID LOSS cc	Ph
0-4000'	Salt gel	9.5	35-40	20-25	9.0
4000-8000	Salt gel	9.5-13.0	40	10-15	9.0

7. The Auxiliary Equipment to be Used

- (a) An upper kelly cock will be kept in the string.
- (b) A float will not be used at the bit.
- (c) Both a mud logging unit and gas detecting device will be monitoring the system. A PVT will also be used to monitor the system.
- (d) A stabbing valve will be on the floor to be stabbed into the drill pipe when kelly is not in the string.

8. The Testing, Logging and Coring Programs to be Followed

- (a) Drill stem tests will be run as shows warrant.
- (b) The logging program will consist of the following:
 - Dual laterlog, Micro SFL, Gamma Ray - Surface casing to T.D.
 - Compensated Neutron, Formation Density with Gamma Ray - over zones of interest.
 - Integrated Borehold Compensated Sonic with Gamma Ray - over zones of interest.
- (c) No coring is anticipated.
- (d) Completion program will be to stimulate with small acid volumes of 2000-4000 gallons HCl plus additives. Appropriate Sundry Notice will be submitted for approval.

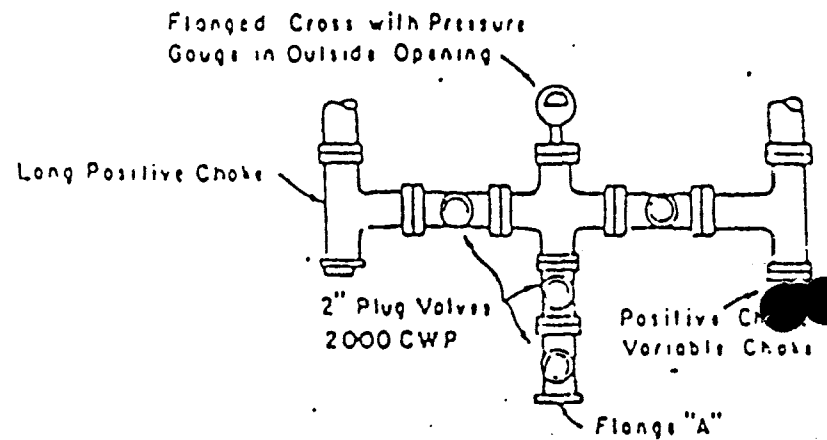
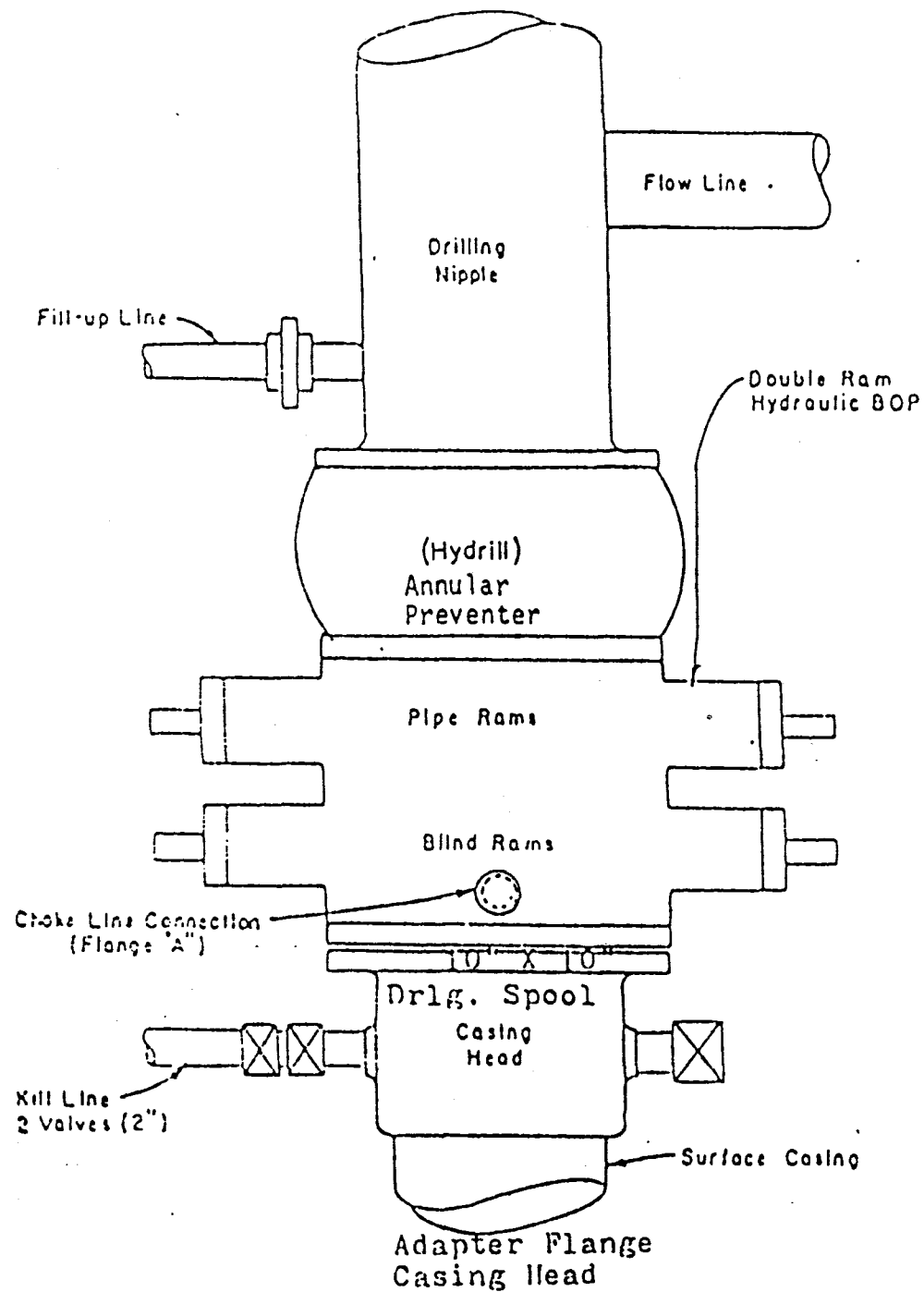
9. Any Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures have been noted or reported in wells drilled in the area nor at the depths anticipated in this well. Bottom hole pressure expected is 5200 psi \pm .

No hydrogen sulfide or other hazardous fluids or gases have been found, reported or known to exist at these depths in the area.

10. Anticipated Starting Date and Duration of the Operations

The anticipated starting date is set for December 1, 1982, or as soon as possible after examination and approval of drilling requirements. Operations will cover 25 days for drilling and 5 days for completion.



PLAN VIEW-CHOKE MANIFOLD

EXHIBIT "C"
Blowout Preventer
Diagram

Samson Resources Company
Well No. 1
Section 18, T.25S., R.21E.
Grand County, Utah
Lease U-48756

Supplemental Stipulations

- 1) Adequate and sufficient electric/radioactive logs will be run to locate and identify the saline minerals in the Paradox formation. Casing and cementing programs will be adjusted to eliminate any potential influence of the well bore or productive hydrocarbon zones on the saline minerals resource. Surface casing program may require adjustment for protection of fresh water aquifers.

ADDITIONAL STIPULATIONS FOR PRODUCTION FACILITIES

Your Application for Permit to Drill also included a submittal for production facilities. These production facilities are approved for the lessee and his designated operator under Section 1 of the Oil and Gas Lease with the following conditions:

- (1) The oil and gas measurement facilities must be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy are to be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. Please provide this office with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports are to be submitted to the Salt Lake City District Oil and Gas Supervisor. Royalty payments will be made on all production volume as determined by the meter measurements or the tank measurements. All measurement facilities must conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.
- (2) Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs must be housed and/or fenced.
- (3) All disturbed areas not required for operations will be rehabilitated.
- (4) All produced liquids must be contained including the dehydrator vent/condensate line effluent. All production pits must be fenced.
- (5) The well activity, the well status and the date the well is placed on production must be reported on Lessee's Monthly Report of Operations, Form 9-329.
- (6) All off-lease storage, off-lease measurement, or commingling on lease or off-lease must have written approval.
- (7) All product lines entering and leaving hydrocarbon storage tanks must be locked/sealed.
- (8) You are reminded of the requirements for handling, storing, or disposing of water produced from oil and gas wells under NTL-2B.
- (9) All materials, trash, junk, debris, etc. not required for production must be removed from the well site and production facility site at the completion of these operations.
- (10) A copy of the Gas Sales Contract will be provided to this office and the Royalty Accounting Department as directed.
- (11) Construction and maintenance for surface use approved under this plan should be in accordance with the surface use standards as set forth in the BLM/GS Oil and Gas Brochure entitled, "Surface Operating Standards for Oil and Gas Exploration and Development." This includes, but is not limited to, such items as road construction and maintenance, handling of top soil and rehabilitation.
- (12) "Sundry Notice and Reports on Wells" (form 9-331) will be filed for all changes of plans and other operations in accordance with 30 CFR 221.58. Emergency approval may be obtained verbally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alternations of facilities, including roads, gathering lines, batteries, measurement facilities, etc., will require the filing of a suitable plan and prior approval by the survey.

OPERATOR SAMSON RESOURCES DATE 11-19-82

WELL NAME ARCHES FED. #1

SEC NW SW 18 T 25S R 21E COUNTY GRAND

43-019-31018
API NUMBER

FED
TYPE OF LEASE

POSTING CHECK OFF:

☐ INDEX

☒ HL

☒

☐ NID

☒ PI

☐

☒ MAP

☒

☐

PROCESSING COMMENTS:

NO WELLS WITHIN 1000'

APPROVAL LETTER:

SPACING: ☐ A-3 _____
UNIT

☐ c-3-a _____
CAUSE NO. & DATE

☐ c-3-b

☒ c-3-c

COMPLIANCE WITH

SPECIAL LANGUAGE:

APPROVAL IS PREDICATED UPON A RULE C-23 OF THE UTAH
OIL & GAS CONSERVATION GENERAL RULES AND REGULATIONS
WHICH PRESCRIBES SPECIAL PROCEDURES FOR DRILLING IN
POTASH AREAS.

☒ RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

☒ AUTHENTICATE LEASE AND OPERATOR INFORMATION

☒ VERIFY ADEQUATE AND PROPER BONDING *FED*

☒ AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

☐ APPLY SPACING CONSIDERATION

☐ ORDER *NO*

☐ UNIT *NO*

☐ c-3-b

☒ c-3-c

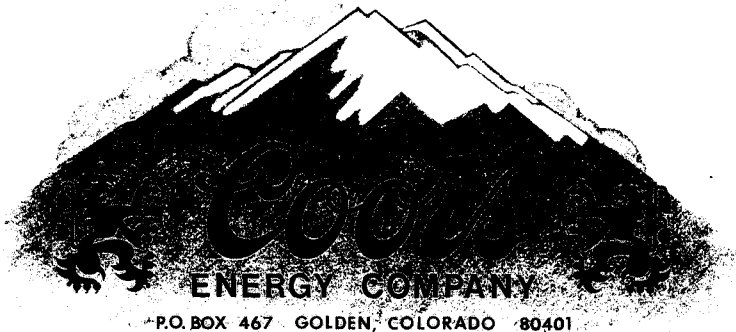
☐ OUTSTANDING OR OVERDUE REPORTS FOR OTHER WELLS OF THE OPERATOR.

☒ IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER
This is in Potash area

Per Telecom with Charles
Watkins 11-19-82 (late)
advised of spacing problem
and potash features. asked
for Calvin Guthridge
return call.

Yours

Calvin advised they would
make an effort to relocate
within spacing - he will
contact me later - Yours
11-23-82



A. A. PHILLIPS
President

November 29, 1982

Division of Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

Gentlemen:

Please be advised that Coors Energy Company supports Samson Resources Company's Application for Permit to Drill a well located 100 feet North and 155 feet West of the Center of the SW $\frac{1}{4}$ of Section 18-T25S-R21E, SLM, Grand County, Utah.

Thank you.

Very truly yours,

A.A. Phillips
President

AAP/kt

RECEIVED
DEC 01 1982

**DIVISION OF
OIL, GAS & MINING**



POWERS ELEVATION

OIL WELL ELEVATIONS — LOCATIONS
ENVIRONMENTAL — ARCHAEOLOGICAL SERVICES
800 SOUTH CHERRY STREET, SUITE 1201
DENVER, COLORADO 80222
PHONE NO. 303/321-2217

November 30, 1982

State of Utah
Division of Oil, Gas, and Mining
4241 State Office Building
Salt Lake City, Utah 84114

RE: Request for Geologic Spacing Exception
Samson Resources Company
#1 Arches Federal
NW SW Sec. 18 T25S R21E
1439' FSL & 1218' FWL
Grand County, Utah

Gentlemen:

This letter constitutes a request for geologic exception for the above-referenced well location. Samson Resources Company holds all leasehold acreage 660' from the well site and all adjacent leases. Enclosed is a lease map.

Your earliest attention to this matter would be appreciated. If you have any questions, do not hesitate to call.

Very truly yours,

POWERS ELEVATION

Connie L. Frailey

Connie L. Frailey
Vice President, Environmental Services

CLF/sfh
Enclosure

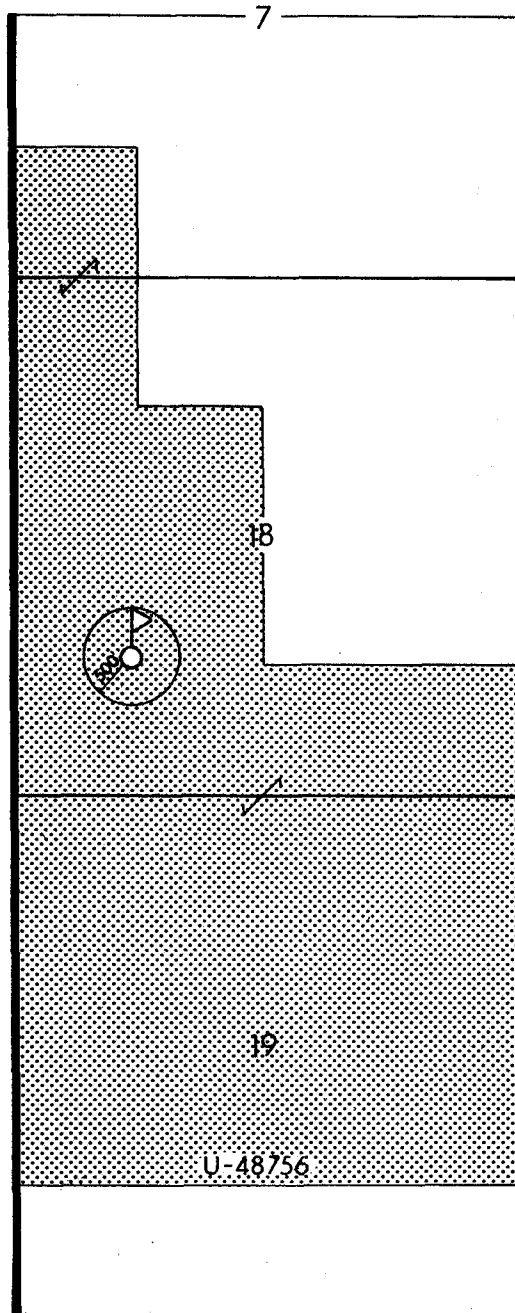
cc: Calvin Guthridge, Samson Resources Company, 2700 First National Tower,
Tulsa, Oklahoma 74103

RECEIVED

DEC 01 1982

**DIVISION OF
OIL, GAS & MINING**

R 21 E



**T
25
S**



SAMSON RESOURCES Et Al
#1 Arches Fed.



SAMSON RESOURCES Et Al
LEASEHOLD



SAMSON RESOURCES CO.
ONE DENVER PLACE SUITE 2910
999 18TH STREET
DENVER, COLORADO 80202

ARCHES PROSPECT
GRAND COUNTY, UTAH
LAND MAP

Date: 11-82 Scale: 1" = 2000' Drawn By: C.G.

December 1, 1982

Samson Resources Company
2700 First National Tower
Tulsa, Oklahoma 74103

RE: Well No. 1 Arches Federal
NWSW Sec. 18, T.25S, R.21E
Grand County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Rule C-3(b), General Rules and Regulations and Rules of Practice and Procedure. Approval is predicated upon compliance with Rule C-23 of the Utah Oil and Gas Conservation General Rules and Regulations which prescribes special procedures for drilling in potash areas.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

RONALD J. FIRTH - Engineer
Office: 533-5771
Home: 571-6068

OR

CLEON B. FEIGHT - Director
Office: 533-5771
Home: 466-4455

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-019-31018.

Sincerely,

Norman C. Stout
Administrative Assistant

NCS/as
cc: MMS
Enclosure

DIVISION OF OIL, GAS AND MINING

SPODDING INFORMATION

NAME OF COMPANY: SAMSON RESOURCES

WELL NAME: Arches Federal #1

SECTION NWSW 18 TOWNSHIP 25 S RANGE 21 E COUNTY Grand

DRILLING CONTRACTOR Nicor

RIG # 57

SPODDED: DATE 1-2-83

TIME 10:00 AM

How Rotary

DRILLING WILL COMMENCE _____

REPORTED BY Walton Willis

TELEPHONE # 801-259-6171 (Room 228)

DATE January 20, 1983 SIGNED AS

NOTICE OF SPUD

Company: Samson Resources Co.

Caller: Willis Walton

Phone: # 801-259-6171 ^{room} #228

Well Number: Archer Feed #1

Location: NE 1/4 SW 1/4, Sec 18, T. 25S R. 21E

County: Grand State: UT

Lease Number: 11-48756

Lease Expiration Date: _____

Unit Name (If Applicable): NA

Date & Time Spudded: 1-2-83 10:00 A.M.

Dry Hole Spudder/Rotary: _____

Details of Spud (Hole, Casing, Cement, etc.) set 300' of 13 3/8"
set to 12 1/4" hole, 9 5/8" casing

Rotary Rig Name & Number: Nico Rig #57

Approximate Date Rotary Moves In: 12-27-82

FOLLOW WITH SUNDRY NOTICE

Call Received By: Cindy

Date: 1-17-83

cc: Will file
BLM, (MMS) Verbal
✓ UT St. Oil & Gas
TAM
APD

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER DRY (P&A)		5. LEASE DESIGNATION AND SERIAL NO. U-48756
2. NAME OF OPERATOR Samson Resources Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
3. ADDRESS OF OPERATOR 2700 First National Tower, Tulsa, OK 74103		7. UNIT AGREEMENT NAME N/A
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1439' FSL & 1218' FWL (NW SW)		8. FARM OR LEASE NAME ARCHES FEDERAL
14. PERMIT NO. 43-019-31018		9. WELL NO. 1
15. ELEVATIONS (Show whether DF, RT, GR, etc.) DF 4337', KB 4339', GL 4318'		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 18-25S-21E
		12. COUNTY OR PARISH Grand
		13. STATE UT

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. **DESCRIBE PROPOSED OR COMPLETED OPERATIONS** (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Load hole with mud. GIH with open ended drill pipe and set 75 sx cement plug @ 6417'. Set 100 sx cement plug @ 3216'. Set 100 sx cement plug @ 2224'. Set 75 sx cement plug @ 188'. Set 5 sx plugs each in rat and mouse holes. Cut off surface, weld on cap and fill in cellar. Plugging operations completed on March 14, 1983.

Restoration work will be completed by June 15, 1983.

ACCEPTED
APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 3/31/83
BY: [Signature]

18. I hereby certify that the foregoing is true and correct

SIGNED Kevin Willson

TITLE Division Drilling Engineer

DATE 3/31/83

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number ARCHES FEDERAL NO. 1
Operator Samson Resources Company Address 2700 First National Tower, Tulsa, OK
Contractor Nicor Drilling Address 500 Reunion Center, Tulsa, OK
Location NW 1/4 SW 1/4 Sec. 18 T. 25S R. 21E County Grand

Water Sands

	<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
	From	To	Flow Rate or Head	Fresh or Salty
1.	3474	3494	Killed flow w/ 12.4#/gal mud	Salty
2.				
3.				
4.				
5.				

(Continue of reverse side if necessary)

Formation Tops

Cane Creek 7704 - 7792

Remarks

Well was dry. Plugging operations were completed on March 14, 1983.

- NOTE: (a) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.
- (b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input checked="" type="checkbox"/>	Other _____
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>
				DIFF. RESVR. <input type="checkbox"/>	Other _____
2. NAME OF OPERATOR Samson Resources Company					
3. ADDRESS OF OPERATOR 2700 First National Tower, Tulsa, OK 74108					
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1439' FSL & 1218' FWL (NW SW) At top prod. interval reported below At total depth 1439' FSL & 1218' FWL (NW SW)					
15. DATE SPUDDED 1-02-83		16. DATE T.D. REACHED 3-11-83		17. DATE COMPL. (Ready to prod.) P&A 3-14-83	
20. TOTAL DEPTH, MD & TVD 8000'		21. PLUG, BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY*	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* None		14. PERMIT NO. 43-019-31018		DATE ISSUED 12-1-82	
26. TYPE ELECTRIC AND OTHER LOGS RUN DIL-MSFL, GR, FDC-CNL		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* DF 4337', KB 4339', GL 4318'		19. ELEV. CASINGHEAD	
28. CASING RECORD (Report all strings set in well)		23. INTERVALS DRILLED BY 0 - 8000'		25. WAS DIRECTIONAL SURVEY MADE No	
29. LINER RECORD		30. TUBING RECORD		27. WAS WELL CORRD No	
31. PERFORATION RECORD (Interval, size and number) None		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
33.* PRODUCTION		34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)			
DATE FIRST PRODUCTION Dry		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)		WELL STATUS (Producing or shut-in)	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.
35. LIST OF ATTACHMENTS		36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED <u>Kenn Willson</u>		TITLE <u>Division Drilling Engineer</u>		DATE <u>3/31/83</u>	

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Cane Creek	7704	7792	<p><u>DST</u></p> <p>Tested Cane Creek formation from 7704' to 7792'. DST ran with no water cushion.</p> <p>Initial Hydrostatic 5267 psi IFP 20 min 99 psi FIFP 328 psi ISP 60 min 4278 psi</p> <p>2nd FP 60 min 369 psi FFP 534 psi FSIP 120 min 3384 psi</p> <p>Final hydrostatic Recovered 937' water cut mud w/ trace of gas 5248 psi</p> <p>Sampler recovery 2000 cc water & 100 cc mud</p>

38.

GEOLOGIC MARKERS

NAME	MEAS. DEPTH	TOP
Paradox Salt Cane Creek	2400' 7704'	TRIM VERT. DEPTH



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dr. G. A. (Jim) Shirazi, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

June 17, 1983

Samson Resources Company
2700 First National Tower
Tulsa, Oklahoma 74103

Re: Well No. Arches Federal # 1
Sec. 18, T. 25S, R. 21E.
Grand County, Utah

Gentlemen:

According to our records, a "Well Completion Report" filed with this office March 31, 1983, from above referred to well, indicates the following electric logs were run: DIL-MSFL, GR, FDC-CNL. As of today's date, this office has not received these logs.

Rule C-5, General Rules and Regulations and Rules of Practice and Procedure, requires that a well log shall be filed with the Commission together with a copy of the electric and radioactivity logs.

We will be happy to acknowledge receipt of your response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgment should avoid unnecessary mailing of a second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

DIVISION OF OIL, GAS AND MINING

Cari Furse
Well Records Specialist

CF/cf